

Fisheries Information System (FIS) Progress Review

National Vision
Joint Decisions

November 18, 2003

National Marine Fisheries Service



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• A Different Approach

- Define clear vision and goals
- Facilitate the FIS process
- Share best practices
- Include Regional participation
- Work one step at a time



FIS Mission

...NMFS to create an umbrella program to coordinate techniques used to gather and disseminate data on a national basis while continuing to account for the unique characteristics of regional, commercial, and recreational fisheries...

- FY 98 Senate Mark

*Recreation
Commercial
Regional*



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Problems

No standard way
of collecting data

Poor data quality

Difficult to access commonly
used data for required reports

Inconsistent reporting
from multiple sources

Insufficient tools available for
researchers to produce reports

Data not consistently available
at desired detail

Dr. Hogarth's Goals

Enhance coordination
& collection of data

Improve national
data quality

Enhance data integration

Provide nationwide structure of data
standards for coverage, quality & exchange

Enhance technology

Expand Regional systems with
more & higher resolution data



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FIS Vision

- The national FIS team works collaboratively to build a quality data management system to provide accurate, efficient and timely resources and services supporting fisheries data analysis and decision processes.

Collaboration
Communication
Coordination



FIS Goals

- Facilitate coordination and communication in the design, collection, sharing, and uses of data among states, regional/state repositories, and NMFS to support fisheries stewardship.
- Integrate information collected under existing State and Federal fishery management plans.
- Build cross-regional and national tools to support data collection and metadata activities at the Regions and Centers.
- Develop a unified electronic data management system that provides information about participation in fisheries across NMFS Regions.
- Expand data collection to meet future needs
- Improve data quality by avoiding duplication and redundancy in data collection.



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FIS Progress

- March Conference Call – FIS Kick Off
- Submitted Proposals and Received FIS Funds
- Work Started on Several Projects
- November Meeting
- FIS Planning for FY04
- PSG Initiation



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Common Data Element Analysis

FIS Permits Data Elements View		NERO	SERO	NWRO	SWRO (Pending)	PIRO	AKRO	HSFCA
PERMITS								
These elements describe data pertaining to permits								
Data Element	Description							
<i>YEAR</i>	<i>Permit year.</i>	X						
DATE OF ISSUE	Date permit was issued	X	X		X	X	X	X
DATE OF RENEWAL APPLICATION	Date of the renewal application	X						
PERMIT PRINT DATE	Date permit was printed.	X						
PERMIT NUMBER	Permit number issued to either dealer, vessel, or person (ex. corporation, vessel owner, etc.)	X	X	X	X	X		
EFFECTIVE DATE	Start date of the issued permit.		X		X		X	
EXPIRATION DATE	Date permit expires.		X		X		X	X
PERMIT STATUS	Active, expired, renewed, inactive, pending, cancelled, etc.		X		X		X	
PERMIT STATUS DATE	Date Status was changed/initiated		X		X			
PERMIT DENIED DATE	Date permit was denied if applicable							X
PERMIT REVOKED/CANCELLED DATE	Date permit was revoked	X						X
REASON FOR REVOKE/CANCELLED	Reason the permit was revoked	X						X
PERSONS								
These elements describe data for owners whose vessels are permitted								
Data Element	Description							
OWNER RANK	Determines an owner's ranking - rank 1 is the primary owner, rank 2 is the secondary owner, etc.	X						
FIRST NAME	First name of person (i.e. owner, operator, etc.)	X	X	X	X	X	X	X
MIDDLE NAME	Middle name or initial of person (i.e. owner, operator, etc.)	X	X	X	X			
LAST NAME	Last name of the person (i.e. owner, operator, etc.)	X	X	X	X	X		X
NAME SUFFIX	Suffix (Esq., Sr., etc.) of the vessel owner	X	X		X			

Reluctant
Communication
Connection



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FIS Next Steps

- Initiate PSGs
- Draft FY04 detailed project plan
- Define regional, cross-regional & national FIS objectives
- Create national tools to support data communication and metadata access
- Coordinate with FINs and State agencies for data collection and data sharing



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Communication
Coordination



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FIS Next Steps (cont.)

- Project Plan (FY04) and Target Dates
 - Data Quality Assessment plan
 - Metadata Integration
 - Implementation of Southwest Data Collection System
 - FIS Views Initial Scope (Q1 FY05)



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Critical Success Factors

- Commitment of leadership from Regional Offices and Science Centers
- Support from Headquarters
- Data Quality Analysis in support of integration
- Collaboration on metadata content
- Specific requirements in the form of report templates & metrics/performance indicators
- Funding



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Conclusion

- Demonstrate teamwork ...
- One step at a time...
- With ...

*Collaboration
Communication
Compromise*





- **Collaboration**
- **Communication**
- **Coordination**

Collaboration
Communication
Coordination



Questions



*Reluctance
Communication
Consent*

